



UNITED STATES AIR FORCE

JOB INVENTORY

(MANUSCRIPT FOR DISK SURVEY)

A-10, F-15 AND U-2 AVIONICS SYSTEMS

AFSC 2A3X1

OSSN 2513

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**OCCUPATIONAL ANALYSIS PROGRAM
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON
AIR EDUCATION and TRAINING COMMAND
1550 5TH STREET EAST
RANDOLPH AFB, TEXAS 78150-4449**

20031117 066

BASE TO WHICH ASSIGNED

Read the list of bases and installations. Indicate the base or installation to which you are assigned.

135 Barksdale AFB LA
135 Barnes IAP MA
135 Battle Creek MI
136 Beale AFB CA
138 Boise ANGB ID
148 Bradley IAP CT
164 Cannon AFB NM
196 Davis-Monthan AFB AZ
202 Dobbins ARB GA
214 Edwards AFB CA
218 Eglin AFB FL
220 Eielson AFB AK
226 Elmendorf AFB AK
302 Hickam AFB HI
304 Hill AFB UT
308 Homestead ARB FL
322 Jacksonville IAP FL
326 Kadena AB JA
327 Klamath Falls ANGB OR
334 Keflavik AS IC
354 Lackland AFB TX
358 Lakenheath RAF UK
360 Lambert-St Louis IAP MO
362 Langley AFB VA
378 Luke AFB AZ
379 Martin State Airport MD
390 Maxwell AFB AL
394 McChord AFB WA
424 Mountain Home AFB ID
428 Nellis AFB NV
434 New Orleans NAS JRB LA
444 Osan AB KR
450 Otis ANGB MA
464 Pope AFB NC
466 Portland IAP OR
474 Randolph AFB TX
502 Schriever AFB CO
510 Seymour Johnson AFB NC
516 Sheppard AFB TX
518 Spangdahlem AB GE
558 Tyndall AFB FL
560 US Air Force Academy CO
580 Whiteman AFB MO
586 Wright-Patterson AFB OH
900 Other

COMMAND TO WHICH ASSIGNED

Read the list of MAJCOMs and agencies. Indicate the MAJCOM or agency to which you are assigned. (Air National Guard Unit personnel should indicate such.)

100 Air Combat Command
101 Air Education and Training Command
102 Air Force Materiel Command
104 Air Force Space Command
107 Pacific Air Forces
108 US Air Forces, Europe
138 Air Force Operational Test and Evaluation Center
171 Air Intelligence Agency
177 Air National Guard Unit
200 Other

1. Are you assigned to a base or installation which is located outside the continental U.S.?

Yes
No

2. How do you find your job? Choose only one.

Extremely Dull
Very Dull
Fairly Dull
So-So
Fairly Interesting
Very Interesting
Extremely Interesting

3. How does your job utilize your talents? Choose only one.

Not At All
Very Little
Fairly Well
Quite Well
Very Well
Excellent
Perfectly

4. How does your job utilize your training? Choose only one.

Not At All
Very Little
Fairly Well
Quite Well
Very Well
Excellent
Perfectly

5. How satisfied are you with the sense of accomplishment you gain from your work? Choose only one.

Extremely Dissatisfied
Very Dissatisfied
Slightly Dissatisfied
Neither Satisfied Nor Dissatisfied
Slightly Satisfied
Very Satisfied
Extremely Satisfied

6. Do you plan to reenlist at the end of your current enlistment? Choose only one.

Will Retire (I will have completed at least 20 years' service)
Definitely Will Not Reenlist
Probably Will Not Reenlist
Probably Will Reenlist
Definitely Will Reenlist

7. Examine each factor and determine whether it influenced your decision to separate. Choose all that apply. After you have selected all of the appropriate items, you will be asked to rate their relative importance.

Military lifestyle
Pay and allowances
Bonus or special pay
Retirement benefits
Military related education and training opportunities
Off-duty education and training opportunities
Medical or dental care for AD member
Medical care or dental care for family members
Base housing
Base services
Childcare needs
Spouse's career
Civilian job opportunities
Equal employment opportunities
Number of PCS moves
Location of present assignment
Number/duration of TDYs or deployments
Work schedule
Additional duties
Job security
Enlisted evaluation system
Promotion opportunities
Training/experience of unit personnel
Unit manning
Unit resources
Unit readiness
Recognition of efforts
Esprit de corps/morale
Leadership of immediate supervisor
Leadership at unit level
Senior Air Force leadership

8. Examine each factor and determine whether it influenced your decision to reenlist. Choose all that apply. After you have selected all of the appropriate items, you will be asked to rate their relative importance.

Military lifestyle
 Pay and allowances
 Bonus or special pay
 Retirement benefits
 Military related education and training opportunities
 Off-duty education and training opportunities
 Medical or dental care for AD member
 Medical care or dental care for family members
 Base housing
 Base services
 Childcare needs
 Spouse's career
 Civilian job opportunities
 Equal employment opportunities
 Number of PCS moves
 Location of present assignment
 Number/duration of TDYs or deployments
 Work schedule
 Additional duties
 Job security
 Enlisted evaluation system
 Promotion opportunities
 Training/experience of unit personnel
 Unit manning
 Unit resources
 Unit readiness
 Recognition of efforts
 Esprit de corps/morale
 Leadership of immediate supervisor
 Leadership at unit level
 Senior Air Force leadership

9. Indicate the number of deployments you completed in support of contingencies or exercises during the past 12 months. Choose only one.

None, I did not complete any deployments in support of contingencies or exercises during the past 12 months
 1 deployment
 2 deployments
 3 deployments
 4 deployments
 5 deployments
 6 deployments or more

10. Indicate the number of days during the past 12 months you have spent on temporary duty (TDY) in support of contingencies or exercises. Choose only one.

30 days or less
 31 - 59 days
 60 - 89 days
 90 - 119 days
 120 - 149 days
 150 - 179 days
 180 days or more

11. Indicate the organizational level of your present assignment. Choose only one.

HQ USAF
 Unified Command
 Major Command
 Joint Command
 Field Operating Agency
 Numbered Air Force
 Wing
 Group
 Squadron
 Detachment
 Operating Location
 Flight
 Element

12. Indicate the job title which best describes your present job. Choose only one.

Aircraft Battle Damage Repair Avionics Technician
 Aircraft Crew Chief
 Assistant Flight Chief
 Avionics Apprentice, Flightline
 Avionics Journeyman, Flightline
 Avionics Craftsman, Flightline
 Branch Chief
 Debriefer
 Expediter
 Flight Chief
 Mobility Supervisor
 Production Superintendent
 Quality Assurance Inspector
 Technical School Instructor
 Technical School Instructor Supervisor
 Tool Room Monitor
 Unit Training Instructor
 Other

13. Indicate the functional area which best describes where you spend most of your time in your present job. Choose only one.

Analysis
 Dispatch
 Flightline
 Mobility Office
 Operational Test and Evaluation (OT&E)
 Phase Dock
 Quality Assurance
 Technical School
 Tool Room
 Unit Training
 Other

14. If you are a 2A371, indicate through which career ladder AFSC you attained the 7-skill level. Choose only one.

2A351A
 2A351B
 2A351C
 Other

15. Indicate the aircraft on which you maintain avionics systems in your present job. Choose all that apply.

None, I do not perform aircraft avionics systems maintenance in my present job
 A-10
 F-15A/B
 F-15C/D
 F-15E
 F-22
 U-2S/T
 Other

16. Indicate the test equipment or special tools you use or operate in your present job. Choose all that apply.

None, I do not use any test equipment or special tools in my present job
 Air Inlet Controller (AIC) Crossover Cables
 Analog Meters
 Analyzers, Spectrum
 Antenna Wrap Boxes
 Boresight Equipment
 Boxes, Breakout
 Boxes, Interface Combined Altitude Radar
 Boxes, Interface Low Altitude Radar Altimeter LARA MUX Unit (LMU)
 Boxes, Weight Off Wheels (WOW) Proximity
 Calibrators, Compass
 Calibrators, Standby Compass
 Common Aircraft Portable Reprogramming Equipment (CAPRE)
 Crow Carts
 Crypto Fill Devices, CYZ-10

Crypto Key Devices, KYK-13
 Fighter Data Links
 Force Gauges
 Generators, Signal
 Heat Guns
 Hoisting Adapters
 Hydrometers
 Improved Radar Simulators, AN/APM-427
 Inflight Monitors
 Laptop Computers
 Linear Gauges, Pogo Sticks
 Memory Loader Verifiers (MLVs)
 Meters, Bonding
 Meters, Megaohm
 Mission Data Loaders/Data Transfer Modules
 Multimeters, Digital
 Oscilloscopes
 Overload Warning System (OWS) Adapter Cables
 Pitot Static Adapter Kits
 Pitot Tube Pullers
 Pod Data Transfer (PDT) Equipment
 Portable Aircraft Test Stations (PATSS)
 Portable Data Transfer Systems (PDTSS)
 Programmer Load Verifiers (PLVs)
 Programmer Load Verifiers-New Technology (PLVs-NT)
 Radar Set, High Power Radio Frequency (HPRF) Target Simulators
 Ramp Test Plugs
 Reflected Laser Simulators
 Rig Pins
 Simulator Test Adapter Detectors
 Tape Readers, KOI-18
 Test Sets, Automatic Flightline (AFLTSS)
 Test Sets, Air-to-Air Interrogator (AAI), AN/APM-349
 Test Sets, Airborne Signal Data Recording System Fault Isolation
 Test Sets, Alpha Mock
 Test Sets, Angle of Attack (AOA) Probe
 Test Sets, Automatic Flight Control System
 Test Sets, Egress Fiber Optic (EFOTSs)
 Test Sets, Flightline (FLTSSs), 3D
 Test Sets, Fuel Quantity Gauging
 Test Sets, Identification Friend or Foe (IFF) Transponder, AN/APM-424
 Test Sets, IFF Transponder, AN/APM-480
 Test Sets, IFF Transponder, AN/ASM-178
 Test Sets, IFF Transponder, AN/ASM-184
 Test Sets, Instrument Landing System (ILS)
 Test Sets, Interoperable Airborne Data Link (IADL) and IADL II
 Test Sets, Multiple Aim Point (MAP) Interface
 Test Sets, Maverick Interface (MITSSs)
 Test Sets, Radio Frequency Line
 Test Sets, TACAN, AN/ARM-188
 Test Sets, Tactical Air Navigation (TACAN), AN/ARM-184
 Test Sets, TTU-205
 Test Sets, TTU-26E

- Testers, 184
- Testers, Antenna Diode
- Testers, AOA Probe Torque
- Testers, Asynchronous Transfer Mode (ATM) Tablet
- Testers, Countermeasures Sets
- Testers, Fuel Quantity
- Testers, Radio Frequency
- Testers, Watts
- Testers, Waveguide Pressure
- Thru-Line Watt Meters
- Time Domain Reflectometers (TDRs), other than Optical
- Time Domain Reflectometers, Optical (OTDR)
- Ultrasonic Leak Detectors
- Video Tape Recorders (VTRs), 8mm
- Wire Repair Kits
- Other

- Tow Bars
- Towing Vehicles
- Trailers
- Wheel Jacks
- Other

17. Indicate the support equipment you use or operate in your present job. Choose all that apply.

- Air Compressors
- Aircraft Jacks
- Antenna Cradles
- ATM Common Airborne Test Equipment
- Bomb Lifts (Jammers)
- Coolanol Hand Pumps
- Coolanol Liquid Cooling System (LCS) Servicing Carts
- External Cooling Air Units
- External Fuel Tank Dollies
- Fuel Bowsers
- Gas Turbine Generators/Compressors
- Gaseous Nitrogen Servicing Equipment
- Gaseous Oxygen Servicing Equipment
- Ground Heaters and Blowers
- Ground Support Equipment, IADL
- Hatch Dollies
- Hydraulic Servicing Carts
- Hydraulic Test Stands
- Liquid Nitrogen Servicing Equipment
- Liquid Oxygen Servicing Equipment
- Maintenance Cranes
- Maintenance Stands
- Manually Operated Lift Trucks (MOLTs)
- Nitrogen Servicing Equipment
- Oil Servicing Carts
- Pod Cradles
- Portable Generators
- Portable Ground Support Equipment, IADL
- Portable Hydraulic Test Stands (-6 Carts)
- Portable Lighting Equipment
- Soldering Equipment

A. PERFORMING GENERAL AVIONIC SYSTEMS MAINTENANCE ACTIVITIES

1. Analyze avionics status panel (ASP) latch data
2. Apply cockpit instrument range marks
3. Debrief aircrews
4. Fabricate crossover, plug, or test cables
5. Fabricate pitot static hoses
6. Inspect aircraft wiring
7. Inspect chafing problem areas
8. Inspect coaxial cables and connectors
9. Inspect electrical relays
10. Inspect hydraulic lines
11. Inspect multipin connectors
12. Inspect pitot or static hoses
13. Inspect quick disconnects
14. Inspect triaxial cables and connectors
15. Inspect waveguides
16. Install or maintain Velcro on control panels for night vision goggle (NVG) activities
17. Perform corrosion control procedures on electrical components
18. Purge pitot or static hoses
19. Record ASP latch data
20. Remove or install electrical relays
21. Remove or install electrostatic discharge devices
22. Remove or replace coaxial cables
23. Remove or replace modular blocks
24. Remove or replace pitot static hoses
25. Remove or replace quick disconnects
26. Remove or replace triaxial cables
27. Remove or replace waveguides
28. Remove, replace, or repair coaxial connectors
29. Remove, replace, or repair multipin connectors
30. Remove, replace, or repair triaxial connectors
31. Repair aircraft wiring
32. Repair chafed areas
33. Replace pitot seal adapters
34. Research technical orders
35. Safety wire components
36. Seal or reseal antennas
37. Trace wiring, system, or interface diagrams
38. Troubleshoot aircraft wiring
39. Troubleshoot coaxial cables and connectors
40. Troubleshoot electrical relays
41. Troubleshoot multipin connectors
42. Troubleshoot triaxial cables and connectors

B. MAINTAINING ATTACK CONTROL SYSTEMS

43. Boresight forward looking infrared (FLIR) systems
44. Boresight heads-up-display (HUD) mounts
45. Boresight laser targeting systems
46. Boresight navigation systems mounts
47. Boresight optical sight systems
48. Boresight radar antenna mounts
49. Boresight radar antennas
50. Calibrate inertial navigation systems (INSs)
51. Calibrate radar altimeters
52. Clean video recorder systems

53. Create data transfer system (DTS) cartridges
54. Electrically boresight HUDs
55. Input automatic data into computer complexes
56. Input manual data into computer complexes
57. Key global positioning systems (GPSs)
58. Load almanac into GPSs
59. Load data into INSs
60. Load operational flight programs (OFPs) into computer complexes
61. Load OFPs into programmable display generators (PDGs) or multipurpose display processors (MPDPs)
62. Operationally check 1553 data bus systems
63. Operationally check attack radar or navigation radar systems
64. Operationally check avionics interface units (AIUs)
65. Operationally check bus control display units (BCDUs)
66. Operationally check DTSs
67. Operationally check embedded global positioning systems/internal navigation systems (EGIs)
68. Operationally check FLIR systems
69. Operationally check GPSs
70. Operationally check laser detecting system line replaceable units (LRUs)
71. Operationally check laser detecting systems
72. Operationally check low altitude safety and targeting enhancement (LASTE) systems
73. Operationally check optical sight systems
74. Operationally check overload warning systems (OWSs)
75. Operationally check video recording systems
76. Operationally or built-in-tester (BIT) check central computer (CC) systems
77. Operationally or BIT check digital map reader or remote map reader systems
78. Operationally or BIT check HUD systems
79. Operationally or BIT check indicator group (IG) systems
80. Operationally or BIT check INSs
81. Operationally or BIT check joint helmet mounted cueing systems
82. Operationally or BIT check laser targeting systems
83. Operationally or BIT check low altitude navigation and targeting infrared for night (LANTIRN) systems
84. Operationally or BIT check multi-purpose display (MPD) systems
85. Operationally or BIT check radar altimeters
86. Operationally or BIT check radar systems
87. Operationally or BIT check television monitor systems
88. Pressurize or leak check radar systems
89. Pressurize or leak check LANTIRN systems
90. Remove or replace 1553 data bus components
91. Remove or replace AIUs
92. Remove or replace attack radar or navigation system LRUs
93. Remove or replace BDCUs
94. Remove or replace CC system LRUs
95. Remove or replace digital map reader or remote map reader system LRUs
96. Remove or replace DTS LRUs
97. Remove or replace EGI LRUs
98. Remove or replace FLIR system LRUs
99. Remove or replace GPS LRUs
100. Remove or replace HUD system LRUs
101. Remove or replace IG system LRUs
102. Remove or replace INS LRUs
103. Remove or replace joint helmet mounted cueing systems
104. Remove or replace LANTIRN system LRUs
105. Remove or replace laser targeting system LRUs
106. Remove or replace LASTE system LRUs
107. Remove or replace LCGs
108. Remove or replace left-hand throttle grips
109. Remove or replace MPD system LRUs

110. Remove or replace multiplex data bus (MUX BUS) system LRUs
111. Remove or replace optical sight system LRUs
112. Remove or replace OWS LRUs
113. Remove or replace radar altimeter system LRUs
114. Remove or replace radar system LRUs
115. Remove or replace right-hand throttle grips
116. Remove or replace television monitor systems LRUs
117. Remove or replace video recording system LRUs
118. Troubleshoot 1553 data bus systems
119. Troubleshoot AIUs
120. Troubleshoot attack radar or navigation radar systems
121. Troubleshoot BCDUs
122. Troubleshoot CC systems
123. Troubleshoot digital map reader or remote map reader system LRUs
124. Troubleshoot DTSs
125. Troubleshoot EGIs
126. Troubleshoot FLIR systems
127. Troubleshoot GPSs
128. Troubleshoot HUD systems
129. Troubleshoot IG systems
130. Troubleshoot INSs
131. Troubleshoot joint helmet mounted cueing systems
132. Troubleshoot LANTIRN systems
133. Troubleshoot laser detecting systems
134. Troubleshoot laser targeting systems
135. Troubleshoot LASTE systems
136. Troubleshoot left-hand throttle grips
137. Troubleshoot MPDs
138. Troubleshoot MUX BUSSs
139. Troubleshoot OWSs
140. Troubleshoot radar altimeter systems
141. Troubleshoot right-hand throttle grips
142. Troubleshoot system malfunctions using automated data input terminals (AUDITs)
143. Troubleshoot television monitor systems
144. Troubleshoot video recording systems
145. Troubleshoot waveguide pressure leaks, other than radar
146. Upload or download FLIR pods
147. Upload or download laser detecting pods
148. Upload or download targeting pods

C. MAINTAINING INSTRUMENT AND FLIGHT CONTROL SYSTEMS

149. Adjust airborne signal data recording system components
150. Adjust automatic flight control system (AFCS) components
151. Adjust flight control position indicating system components
152. Adjust primary or standby instrument system components
153. Adjust stability augmentation/stall inhibitor systems
154. Adjust trim system components
155. Calibrate fuel quantity indicating systems
156. Load data into avionics video processors (AVPs)
157. Load data into multifunction displays (MFDs)
158. Operationally check AFCSs
159. Operationally check airborne signal data recording systems
160. Operationally check angle or attack (AOA) systems
161. Operationally check attitude heading reference and instrument systems
162. Operationally check autopilot air data systems (APADSs)
163. Operationally check AVPs

164. Operationally check BIT systems
165. Operationally check clocks, such as analog or digital
166. Operationally check engine low compressor bleed indicating systems
167. Operationally check engine overspeed indicating systems
168. Operationally check engine pressure ratio (EPR) indicating systems
169. Operationally check flight control position indicating systems
170. Operationally check flight director systems
171. Operationally check fuel distribution systems
172. Operationally check fuel pressure systems (FPSs) LRUs
173. Operationally check G-exceedance indicating systems
174. Operationally check hydraulic pressure indicating systems
175. Operationally check MFDs
176. Operationally check pitot static and standby instrument systems
177. Operationally check primary flight control systems
178. Operationally check primary remote attitude indicators
179. Operationally check stability augmentation/stall inhibitor systems
180. Operationally check stall warning systems
181. Operationally check standby attitude indicators
182. Operationally check standby compasses
183. Operationally check trim indicating systems
184. Operationally check trim systems
185. Operationally check turbine engine monitoring systems (TEMSs)
186. Operationally or BIT check acceleration indicating systems
187. Operationally or BIT check air data computer and primary instrument systems
188. Operationally or BIT check air data engine interface units (ADEIUs)
189. Operationally or BIT check engine air intake systems
190. Operationally or BIT check engine indicating systems
191. Operationally or BIT check engine monitor displays (EMDs)
192. Operationally or BIT check fuel quantity indicating systems
193. Operationally or BIT check horizontal situation indicating (HSI) systems
194. Operationally or BIT check standard flight data (SFD) recorders
195. Perform attitude heading referencing system (AHRS) swing and compensation checks
196. Perform standby compass swing and compensation checks
197. Pressurize and leak check fuel distribution systems
198. Pressurize and leak check pitot static and standby instrument systems
199. Rebuild cap stands
200. Remove or replace acceleration indicating system LRUs
201. Remove or replace ADEIU LRUs
202. Remove or replace AFCS LRUs
203. Remove or replace air data computer or primary instrument system LRUs
204. Remove or replace airborne signal data recording system LRUs
205. Remove or replace AOA LRUs
206. Remove or replace APADS LRUs
207. Remove or replace attitude heading reference or instrument system LRUs
208. Remove or replace AVPs
209. Remove or replace BIT system LRUs
210. Remove or replace clocks, such as analog or digital
211. Remove or replace control stick grips
212. Remove or replace EMDs
213. Remove or replace engine air intake systems LRUs
214. Remove or replace engine indicating systems components
215. Remove or replace engine low compressor bleed indicating system LRUs
216. Remove or replace engine overspeed indicating system LRUs
217. Remove or replace EPR pressure indicating system LRUs
218. Remove or replace flight control position indicating system LRUs
219. Remove or replace flight director system LRUs
220. Remove or replace FPS components

221. Remove or replace fuel flow indicators
222. Remove or replace fuel quantity indicating system LRUs
223. Remove or replace G-exceedance indicating system LRUs
224. Remove or replace HSI system LRUs
225. Remove or replace hydraulic pressure indicators
226. Remove or replace MFDs
227. Remove or replace nozzle position indicators
228. Remove or replace oil pressure indicators
229. Remove or replace pitot static, heater, or instrument system LRUs
230. Remove or replace primary flight control LRUs
231. Remove or replace primary remote attitude indicators
232. Remove or replace SFD recorders
233. Remove or replace stability augmentation/stall inhibitor system LRUs
234. Remove or replace stall warning LRUs
235. Remove or replace standby attitude indicators
236. Remove or replace standby compasses
237. Remove or replace tachometers
238. Remove or replace temperature indicating system LRUs
239. Remove or replace TEMS LRUs
240. Remove or replace trim indicating system components
241. Remove or replace trim system components
242. Remove or replace turbine inlet temperature indicators
243. Troubleshoot acceleration indicating systems
244. Troubleshoot ADEIUs
245. Troubleshoot AFCSS
246. Troubleshoot air data computer and primary instrument systems
247. Troubleshoot airborne signal data recording systems
248. Troubleshoot AOA systems
249. Troubleshoot APADSS
250. Troubleshoot attitude heading reference and instrument systems
251. Troubleshoot AVPs
252. Troubleshoot BIT systems
253. Troubleshoot clocks, such as analog or digital
254. Troubleshoot control stick grips
255. Troubleshoot EMDs
256. Troubleshoot engine air intake systems
257. Troubleshoot engine indicating systems
258. Troubleshoot engine low compressor bleed indicating systems
259. Troubleshoot engine overspeed indicating systems
260. Troubleshoot EPR indicating systems
261. Troubleshoot flight control position indicating systems
262. Troubleshoot flight control trim systems
263. Troubleshoot flight director systems
264. Troubleshoot FPSs
265. Troubleshoot fuel distribution systems
266. Troubleshoot fuel flow indicating systems
267. Troubleshoot fuel quantity indicating systems
268. Troubleshoot G-exceedance indicating systems
269. Troubleshoot HSI systems
270. Troubleshoot hydraulic pressure indicating systems
271. Troubleshoot MFDs
272. Troubleshoot nozzle position indicating systems
273. Troubleshoot oil pressure indicating systems
274. Troubleshoot pitot static, heater, or instrument systems
275. Troubleshoot primary flight control systems
276. Troubleshoot primary remote attitude indicators
277. Troubleshoot SFD recorders

- 278. Troubleshoot stability augmentation/stall inhibitor systems
- 279. Troubleshoot stall warning systems
- 280. Troubleshoot standby attitude indicators
- 281. Troubleshoot standby compasses
- 282. Troubleshoot tachometer systems
- 283. Troubleshoot temperature indicating systems
- 284. Troubleshoot TEMSs
- 285. Troubleshoot trim indicating systems
- 286. Troubleshoot turbine inlet temperature indicating systems

D. MAINTAINING COMMUNICATIONS, NAVIGATION, AND PENETRATION AIDS SYSTEMS

- 287. Code mode 4 crypto equipment
- 288. Code secure voice crypto equipment
- 289. Key fighter data links (FDLs)
- 290. Key IADL or IADL II systems
- 291. Load, verify, or reprogram AIUs
- 292. Operationally check disciplined rubidium oscillators (DROs)
- 293. Operationally check hand controller systems
- 294. Operationally check instrument landing systems (ILSs)
- 295. Operationally check intercommunications systems
- 296. Operationally check joint tactical information display systems (JTIDSs)
- 297. Operationally check lightweight airborne recovery systems (LARs)
- 298. Operationally check secure voice crypto equipment
- 299. Operationally or BIT check air-to-air identification (AAI) interrogator systems
- 300. Operationally or BIT check automatic direction finder (ADF) systems
- 301. Operationally or BIT check countermeasures dispenser systems (CMDs)
- 302. Operationally or BIT check data link systems
- 303. Operationally or BIT check electronic countermeasure (ECM) systems
- 304. Operationally or BIT check electronic warfare warning systems (EWWs)
- 305. Operationally or BIT check external ECM systems or pods
- 306. Operationally or BIT check FDLs
- 307. Operationally or BIT check high frequency (HF) communications systems
- 308. Operationally or BIT check identification friend or foe (IFF) interrogator systems
- 309. Operationally or BIT check interference blanker systems (IBSs)
- 310. Operationally or BIT check radar warning receivers (RWRs)
- 311. Operationally or BIT check tactical air navigation (TACAN) systems
- 312. Operationally or BIT check ultra high frequency (UHF) communication and audio signal systems
- 313. Operationally or BIT check upfront control displays (UCDs)
- 314. Operationally or BIT check upfront controllers
- 315. Operationally or BIT check very high frequency (VHF) communications and audio signal systems
- 316. Perform end-of-runway mode 4 and RWR checks
- 317. Pressurize or leak check ECM systems
- 318. Remove or replace AAI interrogator system LRUs
- 319. Remove or replace ADF system LRUs
- 320. Remove or replace CMDs LRUs
- 321. Remove or replace data link system LRUs
- 322. Remove or replace DRO components
- 323. Remove or replace ECM system LRUs
- 324. Remove or replace EWWs LRUs
- 325. Remove or replace external ECM system LRUs
- 326. Remove or replace FDL LRUs
- 327. Remove or replace hand controller system LRUs
- 328. Remove or replace HF communications system LRUs
- 329. Remove or replace IBS LRUs
- 330. Remove or replace IFF transponder system LRUs
- 331. Remove or replace ILS LRUs

332. Remove or replace intercommunications system LRUs
333. Remove or replace JTIDS LRUs
334. Remove or replace LARSs
335. Remove or replace RWR LRUs
336. Remove or replace secure voice crypto equipment LRUs
337. Remove or replace TACAN system LRUs
338. Remove or replace UFCD LRUs
339. Remove or replace UHF communication and audio signal system LRUs
340. Remove or replace upfront controllers
341. Remove or replace VHF communications and audio signal system LRUs
342. Reprogram ALQ-213 countermeasure sets (CMSs)
343. Reprogram CMDs LRUs
344. Reprogram external ECM pods
345. Reprogram RWR system LRUs
346. Service data link systems
347. Service EWWS
348. Test ECM transmission lines
349. Transport data link system pods
350. Transport ECM pods
351. Troubleshoot AAI interrogator systems
352. Troubleshoot ADF systems
353. Troubleshoot CMDs
354. Troubleshoot data link systems
355. Troubleshoot DROs
356. Troubleshoot ECM systems
357. Troubleshoot EWWSs
358. Troubleshoot external ECM systems
359. Troubleshoot FDLs
360. Troubleshoot hand controller systems
361. Troubleshoot HF communications systems
362. Troubleshoot IBSs
363. Troubleshoot IFF transponder systems
364. Troubleshoot ILSs
365. Troubleshoot intercommunication systems
366. Troubleshoot JTIDSs
367. Troubleshoot LARSs
368. Troubleshoot RWRs
369. Troubleshoot secure voice crypto equipment
370. Troubleshoot TACAN systems
371. Troubleshoot TTWSs
372. Troubleshoot UFCDs
373. Troubleshoot UHF communication and audio signal systems
374. Troubleshoot upfront controllers
375. Troubleshoot VHF communications and audio signal systems
376. Upload or download data link system pods
377. Upload or download ECM pods

E. PERFORMING GENERAL AIRCRAFT OR CROSS UTILIZATION TRAINING (CUT) ACTIVITIES

378. Assist in aircraft engine removal or installation
379. Assist in aircraft hand launch activities
380. Assist in aircraft weight and balance functions
381. Bleed or service aircraft brake systems
382. Build fuel cell tanks
383. Clean interior of aircraft
384. Connect or disconnect portable hydraulic systems
385. Identify aircraft fuel leaks

386. Inspect aircraft dehumidifiers or desiccants
387. Inspect aircraft egress systems
388. Inspect aircraft landing gear systems
389. Inspect airframes or airframe line replaceable units (LRUs)
390. Inspect halon bottles
391. Inspect liquid oxygen (LOX) converters
392. Jack or level aircraft
393. Launch or recover aircraft
394. Marshall aircraft
395. Moor aircraft
396. Motor aircraft engines
397. Open or close weapons bays or radomes
398. Operationally check aircraft indicator warning lights
399. Operationally check aircraft lighting systems
400. Over-the-wing refuel or defuel aircraft
401. Participate as aircraft tow team member or supervisor
402. Perform aircraft cold weather procedures
403. Perform end-of-runway inspections, other than mode 4 and RWR checks
404. Perform ground engine runs
405. Perform hot pit refueling procedures
406. Perform integrated combat turn duties
407. Perform operational checks of aircraft canopy systems
408. Perform operational checks of aircraft seat adjustment systems
409. Perform POGO procedures
410. Perform postflight inspections
411. Perform preflight inspections
412. Perform preuse inspections of nonpowered aerospace ground equipment (AGE)
413. Perform preuse inspections of powered AGE
414. Perform supplemental inspections, such as acceptance, calendar, or time replacement item
415. Perform thruflight inspections
416. Position AGE
417. Position or remove aircraft chocks
418. Prepare aircraft for hangar entries
419. Prepare aircraft for trim pads
420. Prepare aircraft for fuel cells
421. Refuel or defuel aircraft
422. Remove or install aircraft brake assemblies
423. Remove or install aircraft dehumidifiers or desiccants
424. Remove or install aircraft doors or panels
425. Remove or install aircraft external fuel tanks
426. Remove or install aircraft landing gear components
427. Remove or install aircraft light lenses, light bulbs, or batteries
428. Remove or install aircraft radomes
429. Remove or install aircraft safety pins or locks
430. Remove or install aircraft travel pods
431. Remove or install aircraft wheel and tire assemblies
432. Remove or install engine starter cartridges
433. Remove or install halon bottles
434. Remove or install LOX bottles
435. Service aircraft arresting gear systems
436. Service aircraft engine gearboxes
437. Service aircraft engine oil systems
438. Service aircraft environmental systems
439. Service aircraft hydraulic systems
440. Service aircraft landing gear systems
441. Service aircraft pneumatic systems
442. Service aircraft tires

- 443. Service engine constant speed drives (CSDs)
- 444. Static ground aircraft
- 445. Take engine oil samples (JOAP)
- 446. Tow AGE
- 447. Transport test equipment or units to or from flightline
- 448. Wash aircraft

F. PERFORMING MAINTENANCE MANAGEMENT ACTIVITIES

- 449. Analyze computerized fault reporting system (CFRS) data
- 450. Analyze core automated maintenance system (CAMS) data
- 451. Clear Red-X conditions
- 452. Conduct CAMS training
- 453. Conduct CFRS training
- 454. Determine CAMS training requirements
- 455. Determine CFRS training requirements
- 456. Evaluate new, modified, or prototype equipment
- 457. Identify problem areas, other than equipment or supply, using deficiency, service, or status reports, such as reports or deficiency (RODs)
- 458. Initiate technical order improvement reports
- 459. Initiate or annotate aircraft flight or maintenance records, such as AFTO Forms 781-series
- 460. Initiate or coordinate deficiency, service, or status reports, such as RODs
- 461. Input supply data into CAMS
- 462. Input supply data into CFRS
- 463. Maintain aircraft analysis historical records
- 464. Maintain due-in-from-maintenance (DIFM) transaction reports
- 465. Perform time compliance technical order (TCTO) inspections or installations
- 466. Review aircraft flight or maintenance records, such as AFTO Forms 781-series
- 467. Review preventive maintenance schedules
- 468. Update and maintain CAMS data
- 469. Update and maintain CFRS data

G. PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES

- 470. Compile data for records, reports, logs, or trend analyses
- 471. Complete accident or incident reports
- 472. Destroy classified materials or documents
- 473. Establish or maintain accountability records for classified materials or documents
- 474. Establish or maintain automated technical order management system (ATOMS) accounts
- 475. Identify and report suspected security compromises
- 476. Initiate classified reports, messages, or documents
- 477. Initiate requests for temporary duty (TDY) orders
- 478. Initiate or maintain standby rosters or workcenter pyramid recall rosters
- 479. Inventory classified materials or documents
- 480. Maintain administrative files
- 481. Maintain aircraft maintenance historical log books
- 482. Maintain publications libraries, other than technical order (TO) libraries
- 483. Maintain time compliance technical orders (TCTOs)
- 484. Maintain TO libraries
- 485. Maintain or update status indicators, such as boards, graphs, or charts
- 486. Participate in TCTO meetings
- 487. Prepare administrative or classified materials or documents for mailing, transporting, or issue
- 488. Review TO changes
- 489. Tracks and records data for the Airframe Structural Integrity Program (ASIP)
- 490. Write minutes of briefings, conferences, or meetings

H. PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES

491. Coordinate maintenance of equipment with appropriate agencies
492. Develop equipment checklists
493. Evaluate serviceability of equipment, tools, parts, or supplies
494. Identify and report equipment or supply problems
495. Initiate requisitions for equipment, tools, parts, or supplies
496. Inventory equipment, tools, parts, or supplies
497. Issue or log turn-ins of equipment, tools, parts, or supplies
498. Maintain documentation on items requiring periodic inspections or calibrations
499. Maintain organizational equipment or supply records
500. Manage international merchant purchase authorization card (IMPAC) program
501. Monitor special purpose recoverable authorized maintenance (SPRAM) accounts
502. Perform security checks of tool cribs, hangars, or vehicles
503. Pick up, deliver, or store equipment, tools, parts, or supplies

I. PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES

504. Assign personnel to mobility or contingency positions
505. Brief deploying personnel
506. Complete operations plan (OPLAN) sourcing requirements
507. Compute OPLAN requirements status listings
508. Conduct contingency operation/mobility planning and execution systems (COMPES) programs
509. Conduct mobility or deployment site surveys
510. Coordinate deployment of personnel with other MAJCOMs or joint service commands
511. Coordinate mobility or contingency requirements with appropriate agencies
512. Coordinate specific source of personnel requirements with appropriate agencies
513. Determine cost factors for support agreements
514. Determine specific source of personnel requirements for deployment manning documents
515. Develop contingency exercise mobility (CEM) orders
516. Develop mobility inspection checklists
517. Dig trenches
518. Don or doff chemical warfare personal protective clothing
519. Draft or write mobility or deployment after-action reports
520. Erect tents
521. Inspect mobility bags or kits
522. Inspect packed or palletized mobility or contingency equipment prior to transport
523. Load plan aircraft for deployments
524. Maintain accountability of personnel selected to fill OPLAN requirements
525. Maintain base OPLAN files
526. Pack or palletize mobility or contingency equipment for shipment or movement
527. Perform camouflage procedures
528. Perform camp security
529. Perform chemical warfare agent decontamination procedures
530. Perform cover and concealment techniques for work party security
531. Perform disease or pestilence countermeasures
532. Perform explosive ordnance reconnaissance
533. Perform pallet buildup activities
534. Perform plans file and mobility file matches
535. Perform predeployment reconnaissance surveys
536. Perform or set up site security
537. Prepare equipment for deployments
538. Prepare sites at deployed locations, such as cutting grass or removing snow
539. Process classified materials or documents at deployed locations
540. Provide OPLAN requirements status listings to unit commanders
541. Request or distribute mobility requirements documents
542. Set up or tear down shelters

J. PERFORMING TRAINING ACTIVITIES

- 543. Administer or score tests
- 544. Brief personnel concerning training programs or matters
- 545. Complete student entry or withdrawal forms
- 546. Conduct formal course classroom training
- 547. Conduct on-the-job training (OJT)
- 548. Counsel trainees on training progress
- 549. Determine training requirements
- 550. Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)
- 551. Develop training programs, plans, or procedures
- 552. Develop written tests
- 553. Develop or procure training materials or aids
- 554. Establish or maintain study reference files
- 555. Evaluate effectiveness of training programs, plans, or procedures
- 556. Evaluate progress of trainees
- 557. Evaluate training methods or techniques of instructors
- 558. Inspect training materials or aids for operation or suitability
- 559. Maintain training records or files
- 560. Personalize lesson plans
- 561. Prepare job qualification standards (JQSs)
- 562. Write training reports

K. PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES

- 563. Adjust daily maintenance plans to meet operational commitments
- 564. Annotate time and attendance sheets for civilian employees
- 565. Assign personnel to work areas or duty positions
- 566. Assign sponsors for newly assigned personnel
- 567. Conduct general meetings, such as staff meetings, briefings, conferences, or workshops
- 568. Conduct safety inspections of equipment or facilities
- 569. Conduct self-inspections or self-assessments
- 570. Conduct staff assistance visits, inspections, or audits
- 571. Conduct supervisory orientations for newly assigned personnel
- 572. Conduct supervisory performance feedback sessions
- 573. Counsel subordinates concerning personal matters
- 574. Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace
- 575. Determine or establish work assignments or priorities
- 576. Develop inputs to mobility, contingency, disaster preparedness, or unit emergency or alert plans
- 577. Develop organizational or functional charts
- 578. Develop resource protection programs
- 579. Develop self-inspection or self-assessment program checklists
- 580. Develop or establish work methods or procedures
- 581. Develop or establish work schedules
- 582. Draft budget requirements
- 583. Draft host-tenant or interservice agreements
- 584. Draft supplements or changes to directives, such as policy directives, instructions, or manuals
- 585. Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)
- 586. Establish performance standards for subordinates
- 587. Establish procedures for accountability of equipment, tools, parts, or supplies
- 588. Evaluate causes of mission operational discrepancies
- 589. Evaluate inspection report findings or inspection procedures
- 590. Evaluate job hazards or compliance with Air Force Occupational Safety and Health (AFOSH) program
- 591. Evaluate maintenance data collection (MDC) reports
- 592. Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace
- 593. Evaluate personnel for compliance with performance standards

- 594. Evaluate personnel for promotion, demotion, reclassification, or special awards
- 595. Implement safety or security programs
- 596. Initiate actions required due to substandard performance of personnel
- 597. Initiate personnel action requests
- 598. Inspect personnel for compliance with military standards
- 599. Interpret policies, directives, or procedures for subordinates
- 600. Investigate accidents or incidents
- 601. Plan layouts of facilities
- 602. Review budget requirements
- 603. Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals
- 604. Review mobility, contingency, disaster preparedness, or unit emergency or alert plans
- 605. Review requests for limited or special calibrations
- 606. Schedule personnel for TDY assignments, leaves, or passes
- 607. Write inspection reports
- 608. Write job or position descriptions
- 609. Write recommendations for awards or decorations
- 610. Write replies to inspection reports
- 611. Write staff studies, surveys, or routine reports, other than training or inspection reports
- 612. Write or indorse civilian performance appraisals
- 613. Write or indorse military performance reports